ZyXEL

Cost-effective IP Set-top Box for Multicast and Video-on-Demand

- **Supports Live TV and Video-on-Demand Applications**
- **MPEG-2 MP@L3, H.264 MP@ L3**
- **Intuitive IR Remote Control**
- **Plays H.264SD Contents at up to 12 Mbps**

Benefits

Advanced Video Coding

The STB-1001S offers IP video services like Video-on-Demand and IPTV based on MPEG-4 AVC/H.264 compression technology to reach a wider audience or achieve a higher service density, and thus increase bandwidth efficiency. This enables Telcos to expand their subscriber base and offer two or more video streams per household, where only one was previously possible. This creates opportunities for substantial revenue and faster return on IPTV investments.

High-quality H.264SD Video Standard

The STB-1001S supports standard definition in MPEG-4 part 10/H.264 format. H.264 standard definition videos offer exciting and dramatic viewing enjoyments with greater realism and more details, especially on larger displays, with less bandwidth required.

Content Security Solutions

The STB-1001S is compatible with a wide range of leading content protection and right management solutions without smartcards.

Middleware Solution Support

The STB-1001S is supported by leading IPTV Middleware providers as part of their integrated broadband TV solutions. It also supports applications developed in HTML and JavaScript for content extension.

Easy Installation and Extendable Features

The STB-1001S is easy to install even for subscribers, and its field-upgradeable software platform is also handy for future technology enhancements without significant cost for IPTV service providers.

IP Set-top Box

STB-1001S

IP STB

ZyXEL

IP Set-top Box

STB-1001S

Specifications

System Specifications

- Linux based

Video Codec

- MPEG-1
- MPEG-2 MP@HL
- MPEG-4

Audio Codec

- MPEG-1 layer I/II
- MP3
- AAC
- AAC+LC

Data Standard

- Teletex DVB EN 300 472 standard
- Subtitle DVB EN 300 743 standard

Graphics

- 24 bits/pixel RGB
- 4:3 & 16:9 video format
- Picture in graphic
- NTSC/PAL
- Alpha blending
- Color keying
- 2D graphic acceleration

Content Protection

- Marcovision v7.01/6.1
- Standard CA

Browser Features

- HTTP1.1
- HTTPS

- HTML 4.01
- JavaScript 1.5
- DOM level 2
- CSS level 2
- Support cookie
- Support PNG, JPEG, GIF & Animator GIF picture format
- JavaScript extension API

Network Protocol

- PPPoE
- Ethernet/IEEE 802.3
- TCP/IP
- UDP/IP
- IGMP V3
- DHCP
- RTSP
- Telnet
- HTTP1.1
- SSL V3 (128-bit key)
- DNS
- NTP
- SNMP/TR-069

Hardware Specifications

- Power on/off switch button
- 10/100M Ethernet port x 1
- SCART interface x 1
- IR receiver
- S/PDIF, coaxial

Physical Specifications

- Dimensions: 200 (W) x 150 (D) x 50 (H) mm
- Weight: 200 g

Environmental Specifications

- Operating temperature: 0°C ~ 40°C
- Storage temperature: -20°C ~ 60°C
- Operating humidity: 20% ~ 90% RH
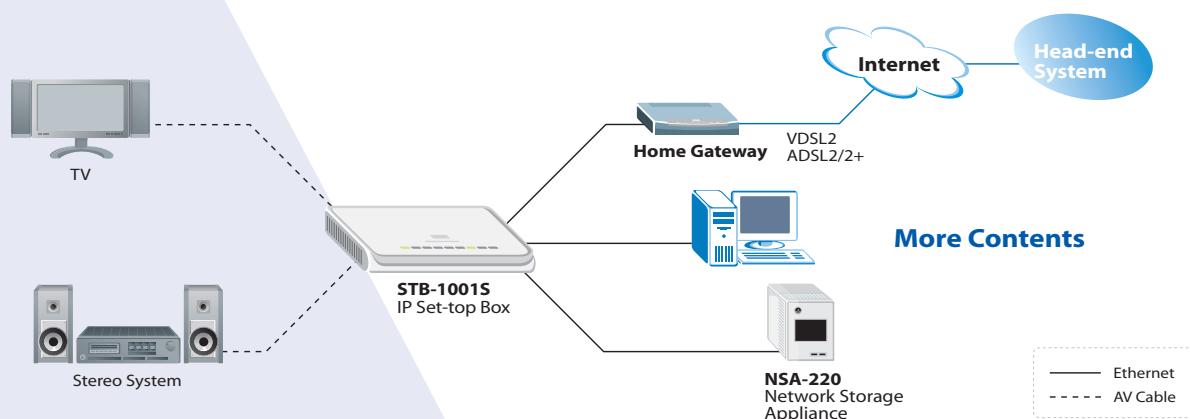- Storage humidity: 20% ~ 90% RH

Certification

- UL1950
- CSA C22.2 No.950
- EN60950, EN41003
- FCC Part 15 Class B
- EN55022 Class B

Others

Accessories

- SCART cable (depending on region)
- Power adaptor
- CD
- Infrared remote control

Application Diagram

Internet

Head-end System

Home Gateway

VDSL2
ADSL2/2+

TV

STB-1001S
IP Set-top Box

More Contents

Stereo System

NSA-220
Network Storage Appliance

Ethernet
AV Cable

For more product information, visit us on the web www.ZyXEL.com

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